IN THE SPECIFICATION

Please amend the paragraph at page 9, line 28 to page 10, line 8 as follows:

A temperature sensor 446senses the temperature of fluid being delivered to heat load 406, and feeds the value to a final temperature controller 444. Final temperature controller 444 compares its setpoint to the value returned by a temperature sensor 446, and controls the position of a flow control valve 448, which determines an amount of hot fluid passing through heater 434 that is mixed with the cold stream that bypasses the heater loop. Flow control valve 448 is set to a position determined by calculation and/or testing that produces a desirable range of flow rates that vary with the position of flow control valve 448. Process fluid precisely regulated at the desired temperature and flow setpoints flows to heat-load 406, where it absorbs heat, and then the fluid returns to reservoir 402. A manual valve 450 forces all fluids to pass through heater 434 and flow control valve 448.

Please amend the paragraph at page 12, lines 14-23 as follows:

Also shown in Figure 5 is a gas storage tank 540. This is used primarily as a reservoir for refrigerant during system shutdown. Many refrigerants will be gaseous at ambient temperatures, resulting in a high storage pressure. During shutdowns, the position of a manual valve 542 is switched to deliver the refrigerant to the storage tank. A manual valve 544 is closed to contain refrigerant in the tank. When starting up the system, manual valve 544 is opened and pressure reducing valve 546 is set to a value slightly less than the design operating point in order to deliver refrigerant to the system as appropriate. As liquid begins condensing, the pressure drops, drawing more refrigerant into the system. A tank 540 allows much of the system to be designed for low pressure and therefore more economically. Storage 540 is also configured with a relief valve 548.

Please amend the Abstract of the Disclosure as follows:

An apparatus providing effective control of fluid temperature to achieve temperature control precision of ±0.1°F at flow rates exceeding ~~5~~ five gallons/minute includes a hot and a cold reservoir of process fluid maintained at their desired temperatures by a high-accuracy industrial chiller and an industrial heater, respectively. A ~~three-way~~ control valve mixes fluid from the reservoirs to produce a precisely controlled stream of process fluid delivered to the point of usage. Another flow control valve maintains system flow at a precise value.